

1 Docket No. GIO-001.01

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SYSTEMS AND METHODS FOR SEQUENCE COMPARISON

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ABSTRACT

6 **[0057]** Methods and systems for comparing a first sequence and a second sequence,
7 including associating errors with alignments of the first sequence and the second sequence,
8 comparing the alignment errors to identify the alignment having the smallest error, and, based on
9 the alignment having the smallest error, computing: a first percent identity relative to the first
10 sequence, and a second percent identity relative to the second sequence.

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